

VEHICLE AIR-CONDITIONING SYSTEM

ABSTRACT OF THE DISCLOSURE

A vehicle air-conditioning system of a dual air-conditioner type exhibiting a hot gas heater function, which is designed to efficiently recover not only dormant refrigerant at the heater side, but also dormant refrigerant at the rear seat evaporator, which system sets the refrigeration cycle to a cooling mode and engages in a refrigerant recovery operation when starting up the heating mode by a hot gas heater cycle, then switches the refrigeration cycle to the heating mode, sets the front seat air-conditioning unit to the outside air mode at the time of the heating mode to blow outside air to the front seat evaporator by the front seat blower, then, when judging that the inside air temperature is high due to the refrigerant temperature of the rear seat evaporator at the time of the heating mode, operates the rear side blower to blow inside air to the rear seat evaporator.